

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/575,193
Source: IFwp
Date Processed by STIC: 4/24/06

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IFWP

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/10/575,193

DATE: 04/24/2006
 TIME: 16:14:00

Input Set : A:\14875-160US1.txt
 Output Set: N:\CRF4\04242006\J575193.raw

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3 <110> APPLICANT: Hattori, Kunihiro
4           Kojima, Tetsuo
5           Miyazaki, Taro
6           Soeda, Tetsuhiro
8 <120> TITLE OF INVENTION: BISPECIFIC ANTIBODY SUBSTITUTING FOR FUNCTIONAL PROTEINS
10 <130> FILE REFERENCE: 14875-160US1
C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/575,193
C--> 12 <141> CURRENT FILING DATE: 2006-04-07
12 <150> PRIOR APPLICATION NUMBER: PCT/JP2004/014911
13 <151> PRIOR FILING DATE: 2004-10-08
15 <150> PRIOR APPLICATION NUMBER: PCT/JP03/13062
16 <151> PRIOR FILING DATE: 2003-10-10
18 <150> PRIOR APPLICATION NUMBER: PCT/JP03/13123
19 <151> PRIOR FILING DATE: 2003-10-14
21 <160> NUMBER OF SEQ ID NOS: 268
23 <170> SOFTWARE: PatentIn version 3.1
25 <210> SEQ ID NO: 1
26 <211> LENGTH: 22
27 <212> TYPE: DNA
28 <213> ORGANISM: Artificial
30 <220> FEATURE:
31 <223> OTHER INFORMATION: an artificially synthesized primer sequence
33 <400> SEQUENCE: 1
34 cagctatgaa atacctattg cc                                     22
37 <210> SEQ ID NO: 2
38 <211> LENGTH: 23
39 <212> TYPE: DNA
40 <213> ORGANISM: Artificial
42 <220> FEATURE:
43 <223> OTHER INFORMATION: an artificially synthesized primer sequence
45 <400> SEQUENCE: 2
46 cttttcataa tcaaaatcac cgg                                     23
49 <210> SEQ ID NO: 3
50 <211> LENGTH: 19
51 <212> TYPE: DNA
52 <213> ORGANISM: Artificial
54 <220> FEATURE:
55 <223> OTHER INFORMATION: an artificially synthesized primer sequence
57 <400> SEQUENCE: 3
58 attgcctacg gcagccgct
61 <210> SEQ ID NO: 4
62 <211> LENGTH: 20
63 <212> TYPE: DNA

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64 <213> ORGANISM: Artificial
66 <220> FEATURE:
67 <223> OTHER INFORMATION: an artificially synthesized primer sequence
69 <400> SEQUENCE: 4
70 aaatcaccgg aaccagagcc 20
73 <210> SEQ ID NO: 5
74 <211> LENGTH: 24
75 <212> TYPE: DNA
76 <213> ORGANISM: Artificial
78 <220> FEATURE:
79 <223> OTHER INFORMATION: an artificially synthesized primer sequence
81 <400> SEQUENCE: 5
82 ttactcgcgg cccagccggc catg 24
85 <210> SEQ ID NO: 6
86 <211> LENGTH: 28
87 <212> TYPE: DNA
88 <213> ORGANISM: Artificial
90 <220> FEATURE:
91 <223> OTHER INFORMATION: an artificially synthesized primer sequence
93 <400> SEQUENCE: 6
94 ggaattcggc ccccgaggcc cactcacg 28
97 <210> SEQ ID NO: 7
98 <211> LENGTH: 1215
99 <212> TYPE: DNA
100 <213> ORGANISM: Homo sapiens
102 <400> SEQUENCE: 7
103 ggcctcgaaa gccagtttc tggggcaggg caggcctgac cttggcttg gggcagggag 60
105 ggggctaagg tgaggcagggt ggcgcgcagcc aggtgcacac ccaatgccca tgagcccaga 120
107 cactggacgc tgaacctcgc ggacagttaa gaaccagggg gctctgcgc cctggccca 180
109 gctctgtccc acaccgcggt cacaatggcac cacctcttgc gcaagttcca ccaaggggccc 240
111 atccgtcttc cccctggcgc cttgtccag gagcacctcc gagagcacag cccgcctggg 300
113 ctgcctggtc aaggactact tccccgaacc ggtgacgggt tcgttggact caggcgccct 360
115 gaccagcggc gtgcacaccc tcccggtctt cctacagtcc tcaggactct actccctcag 420
117 cagcgtgggt accgtgcctt ccagcagctt gggcacgaag acctacacct gcaacgtaga 480
119 tcacaagccc agcaacacca aggtggacaa gagagtttag tccaaatatg gtcccccattg 540
121 cccaccatgc ccagcacctg agttcctggg gggaccatca gtcttcgtt tccccccaaa 600
123 acccaaggac actctcatga tctccggac ccctgagggtc acgtgcgtgg tggggacgt 660
125 gagccaggaa gaccggagg tccagttcaa ctggatgt gatggcgtgg aggtgcataa 720
127 tgccaagaca aaggccggg aggaggcattt caacagcacg taccgtgtgg tcagcgtcct 780
129 caccgtcctg caccaggact ggctgaacgg caaggatgtc aagtgcagg tctccaacaa 840
131 aggcctcccg tcctccatcg agaaaaaccat ctccaaagcc aaaggccagg cccgagagcc 900
133 acagggtgtgc accctgcccc catcccaggaa ggagatgacc aagaaccagg tcagcctgtg 960
135 gtgcctggtc aaaggcttctt accccagcga catcgccgtg gagtgggaga gcaatggca 1020
137 gcccggagaac aactacaaga ccacgcctcc cgtgctggac tccgacggct ccttcttcct 1080
139 ctacagcagg ctaaccgtgg acaagagcag gtggcaggag gggatgtct tctcatgtctc 1140
141 cgtgatgtcat gaggctctgc acaaccacta cacacagaag agcctctccc tgtctctggg 1200
143 taaaatgagcg gcccgc 1215
146 <210> SEQ ID NO: 8
147 <211> LENGTH: 684
  
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148 <212> TYPE: DNA
149 <213> ORGANISM: Homo sapiens
151 <400> SEQUENCE: 8
152 ggcctcgaaa gccgaattcc taaaactctga gggggtcgga tgacgtggcc attctttgcc 60
154 taaaggcattt agtttactgc aaggtcagaa aagcatgcaa agccctcaga atggctgcaa 120
156 agagctccaa caaaaacaatt tagaacttta ttaaggaata gggggaaact aggaagaaac 180
158 tcaaaaacatc aagatttaa atacgcttct tggtctcctt gctataatta tctgggataa 240
160 gcatgctgtt ttctgtctgt ccctaacaatc ccctgtgatt atccgcaaac aacacaccca 300
162 agggcagaac tttgttactt aaacaccatc ctgtttgctt ctttcctcag gaactgtggc 360
164 tgcaccatct gtcttcatct tcccgccatc tgatgagcag ttgaaatctg gaactgcctc 420
166 tgggtgtgc ctgctgaata acttctatcc cagagaggcc aaagtacagt ggaaggtgga 480
168 taacgcctc caatcggtt actcccagga gatgttcaca gagcaggaca gcaaggacag 540
170 cacctacagc ctcagcagca ccctgacgct gagcaaagca gactacgaga aacacaaaagt 600
172 ctacgcctgc gaagtccaccc atcagggcct gagctcgccc gtcacaaga gcttcaacag 660
174 gggagagtgt tagagggcgcc 684
177 <210> SEQ ID NO: 9
178 <211> LENGTH: 1215
179 <212> TYPE: DNA
180 <213> ORGANISM: Homo sapiens
182 <400> SEQUENCE: 9
183 ggcctcgaaa gcctcccaagg ctctggcag gcacaggcta ggtgccccta acccaggccc 60
185 tgcacacaaa ggggaaagggtg ctgggctcag acctgccaag agccatatcc gggaggaccc 120
187 tgcccctgac ctaagccac cccaaaggcc aaactctcca ctccctcagc tcggacacact 180
189 tctctccctc cagattccag taactcccaa tcttctctt gcagcttcca ccaagggccc 240
191 atccgtcttc cccctggcgc cctgctccag gagcacctcc gagagcacag ccgccttggg 300
193 ctgcgtggc aaggactact tccccgaacc ggtgacgggt tcgtggact cagggccct 360
195 gaccagcggc gtgcacacct tcccgctgt cctacagtcc tcaggactct actccctcag 420
197 cagcgtggc accgtgcctt ccagcagcgtt gggcacgaa acctacacct gcaacgtaga 480
199 tcacaagcc agcaacacca aggtggacaa gagagtttag tccaaatatg gtccccatg 540
201 cccaccatgc ccagcacctg agttcctggg gggaccatca gtctccctgt tccccccaaa 600
203 acccaaggac actctcatga tctcccgac ccctgaggc acgtgcgtgg tggggacgt 660
205 gagccagggaa gaccccgagg tccagttcaa ctggtagtgc gatggcgtgg aggtgcataa 720
207 tgccaagaca aagcccgaaa aggagcaggta caacagcagc taccgtgtgg tcagcgtcct 780
209 caccgtcctg caccaggact ggctgaacgg caaggagtt aagtgcacgg tctccaacaa 840
211 aggcctcccg tcctccatcg agaaaaaccat ctccaaagcc aaagggcagc cccgagagcc 900
213 acaggtgtac accctgcccc catcccagtg cgagatgacc aagaaccagg tcagcctgtc 960
215 ctgcgtggc aaaggcttct atcccgacga catcgccgtg gagtgggaga gcaatggca 1020
217 gcccggagaac aactacaaga ccacgcctcc cgtgtggac tccgacggct ccttcttc 1080
219 cgtgagcagg ctaaccgtgg acaagagcag gtggcaggag gggaaatgtct tctcatgtc 1140
221 cgtgatgtcat gaggctctgc acaaccacta cacacagaag agcctctccc tgtctctggg 1200
223 taaatgagcg gccgc 1215
226 <210> SEQ ID NO: 10
227 <211> LENGTH: 21
228 <212> TYPE: DNA
229 <213> ORGANISM: Artificial
231 <220> FEATURE:
232 <223> OTHER INFORMATION: an artificially synthesized primer sequence
234 <400> SEQUENCE: 10
235 cgccaaatggg cggttagggcgt g
  
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Input Set : A:\14875-160US1.txt
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238 <210> SEQ ID NO: 11
 239 <211> LENGTH: 18
 240 <212> TYPE: DNA
 241 <213> ORGANISM: Artificial
 243 <220> FEATURE:
 244 <223> OTHER INFORMATION: an artificially synthesized primer sequence
 246 <400> SEQUENCE: 11
 247 tagaaggcac agtcgagg 18
 250 <210> SEQ ID NO: 12
 251 <211> LENGTH: 24
 252 <212> TYPE: DNA
 253 <213> ORGANISM: Artificial
 255 <220> FEATURE:
 256 <223> OTHER INFORMATION: an artificially synthesized primer sequence
 258 <400> SEQUENCE: 12
 259 ctctgaatac tttcaacaag ttac 24
 262 <210> SEQ ID NO: 13
 263 <211> LENGTH: 116
 264 <212> TYPE: PRT
 265 <213> ORGANISM: Mus musculus
 267 <400> SEQUENCE: 13
 269 Met Glu Val Gln Leu Gln Gln Ser Gly Pro Gly Leu Val Lys Pro Thr
 270 1 5 10 15
 273 Gln Ser Leu Ser Leu Thr Cys Ser Val Thr Gly Tyr Ser Ile Thr Ser
 274 20 25 30
 277 Gly Tyr Tyr Trp Thr Trp Ile Arg Gln Phe Pro Gly Asn Asn Leu Glu
 278 35 40 45
 281 Trp Ile Gly Tyr Ile Ser Phe Asp Gly Thr Asn Asp Tyr Asn Pro Ser
 282 50 55 60
 285 Leu Lys Asn Arg Ile Ser Ile Thr Arg Asp Thr Ser Glu Asn Gln Phe
 286 65 70 75 80
 289 Phe Leu Lys Leu Asn Ser Val Thr Thr Glu Asp Thr Ala Thr Tyr Tyr
 290 85 90 95
 293 Cys Ala Arg Gly Pro Pro Cys Thr Tyr Trp Gly Gln Gly Thr Leu Val
 294 100 105 110
 297 Thr Val Ser Ala
 298 115
 301 <210> SEQ ID NO: 14
 302 <211> LENGTH: 6
 303 <212> TYPE: PRT
 304 <213> ORGANISM: Mus musculus
 306 <400> SEQUENCE: 14
 308 Ser Gly Tyr Tyr Trp Thr
 309 1 5
 312 <210> SEQ ID NO: 15
 313 <211> LENGTH: 16
 314 <212> TYPE: PRT
 315 <213> ORGANISM: Mus musculus
 317 <400> SEQUENCE: 15

RAW SEQUENCE LISTING

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Input Set : A:\14875-160US1.txt

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319 Tyr Ile Ser Phe Asp Gly Thr Asn Asp Tyr Asn Pro Ser Leu Lys Asn
320 1 5 10 15
323 <210> SEQ ID NO: 16
324 <211> LENGTH: 6
325 <212> TYPE: PRT
326 <213> ORGANISM: Mus musculus
328 <400> SEQUENCE: 16
330 Gly Pro Pro Cys Thr Tyr
331 1 5
334 <210> SEQ ID NO: 17
335 <211> LENGTH: 120
336 <212> TYPE: PRT
337 <213> ORGANISM: Mus musculus
339 <400> SEQUENCE: 17
341 Met Gln Val Gln Leu Gln Gln Ser Gly Ala Glu Leu Val Arg Pro Gly
342 1 5 10 15
345 Ala Ser Val Lys Leu Ser Cys Thr Ala Ser Gly Phe Asn Ile Lys Asp
346 20 25 30
349 Asp Tyr Val His Trp Val Lys Gln Arg Pro Glu Gln Gly Leu Glu Trp
350 35 40 45
353 Ile Gly Arg Ile Asp Pro Ala Asp Gly Lys Thr Lys Tyr Ala Pro Lys
354 50 55 60
357 Phe Gln Asp Lys Ala Thr Met Thr Ser Asp Thr Ser Ser Asn Thr Ala
358 65 70 75 80
361 Tyr Leu Gln Leu Ser Ser Leu Thr Ser Glu Asp Thr Ala Val Tyr Tyr
362 85 90 95
365 Cys Val Arg Trp Arg Ile Tyr Tyr Gly Leu Met Asp Tyr Trp Gly Gln
366 100 105 110
369 Gly Thr Ser Val Thr Val Ser Ser
370 115 120
373 <210> SEQ ID NO: 18
374 <211> LENGTH: 5
375 <212> TYPE: PRT
376 <213> ORGANISM: Mus musculus
378 <400> SEQUENCE: 18
380 Asp Asp Tyr Val His
381 1 5
384 <210> SEQ ID NO: 19
385 <211> LENGTH: 17
386 <212> TYPE: PRT
387 <213> ORGANISM: Mus musculus
389 <400> SEQUENCE: 19
391 Arg Ile Asp Pro Ala Asp Gly Lys Thr Lys Tyr Ala Pro Lys Phe Gln
392 1 5 10 15
395 Asp
399 <210> SEQ ID NO: 20
400 <211> LENGTH: 10
401 <212> TYPE: PRT
402 <213> ORGANISM: Mus musculus

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 04/24/2006
PATENT APPLICATION: US/10/575,193 TIME: 16:14:01

Input Set : A:\14875-160US1.txt
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Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,10,11,12

VERIFICATION SUMMARY
PATENT APPLICATION: US/10/575,193

DATE: 04/24/2006
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Input Set : A:\14875-160US1.txt
Output Set: N:\CRF4\04242006\J575193.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application No
L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:4184 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:221,Line#:4182
L:4211 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:223,Line#:4209
L:4238 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:225,Line#:4236
L:4265 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:227,Line#:4263
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L:4748 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:261,Line#:4746
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